

ULTRAHIGH-MOLECULAR-WEIGHT POLYETHYLENE

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Abstract of JP7118324

PURPOSE:To provide a new ultrahigh-mol.-wt. polyethylene which has higher mol.wt. and density than those of the conventional ultrahigh-mol.-wt. polyethylenes. **CONSTITUTION:**An ultrahigh-mol.-wt. polyethylene having a wt.-average mol.wt. of 5×10^6 or higher and a density of 0.930-0.950g/cm³ is obtd. by polymerizing ethylene in the presence of a chromium catalyst contg. a chromium compd., an amine or a metal amide, and an alkylaluminum compd.

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